H.D. GAJRA BROS.
COMPLETE INSULATION SOLUTIONS
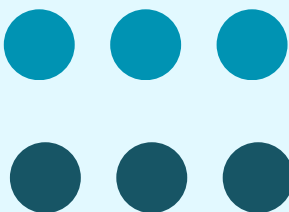
PRODUCT
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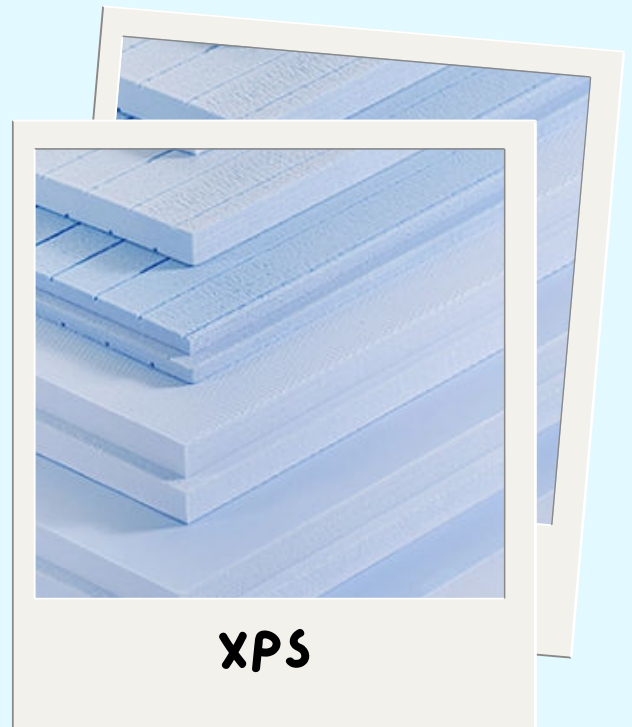
EXTRUDED POLYSTYRENE (XPS)

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EXTRUDED POLYSTYRENE (XPS)

Extruded polystyrene (XPS) is a durable, moisture-resistant foam insulation used in construction, known for its excellent thermal properties and strength. It's ideal for insulating walls, roofs, and foundations.

XPS

SPECIFICATIONS

- **Density :** 30 to 47 Kg/m3

- **Thickness :** 20 to 100 mm

- **Compressive Strength :** 180 to 700 kPa (@ 10% deflection min)

- **Dimensional Stability:** Low thermal expansion and contraction, ensuring long-term performance.

- **R-Value:** Approximately 5.0 per inch of thickness, indicating high thermal resistance.

APPLICATIONS

APPLICATIONS:

- Wall Insulation
- Roof Insulation
- Foundation Insulation
- Floor Insulation
- Cold Storage Facilities
- Road and Highway Construction

	DENSITY (Minimum)	COMPRESSIVE STRENGTH @ 10% DEFLECTION (Minimum)	FLEXURAL STRENGTH (Minimum)	WATER VAPOUR PERMEANCE OF 25.4MM THICK (Maximum)
Test Method	ASTM D-1622	ASTM D-1621	ASTM C-203	ASTM E-96*
Unit	kg/m3	kPa	kPa	ng/Pa.s.m2
SX40 Grade				
Thickness				
20mm - SX40202QWSX600X2400	40	180	345	NA
25mm - SX40252QWS600X1250	40	180	345	86
30mm - SX40302LWS600X1250	37	180	345	86
40mm - SX40402LWS600X1250	30	180	345	86
50mm - SX40502LWS600X1250	30	180	345	86
SX60 Grade				
Thickness				
25mm - SX60252QWS600X1250	47	300	414	63
30mm - SX60302LWS600X1250	41	300	414	63
40mm - SX60402LWS600X1250	38	350	414	63
50mm - SX60502LWS600X1250	36	350	414	63
75mm - SX60752LWS600X1250	34	350	414	63
100mm - SX61002LWS600X1250	34	350	414	63
SX70 Grade				
40mm - SX70402LWS600X1250	42	500	517	63
50mm - SX70502LWS600X1250	40	500	517	63
75mm - SX70752LWS600X1250	39	500	517	63
100mm - SX71002LWS600X1250	38	500	517	63
SX50 Grade				
50mm - SX50502LWS600X1250	47	700	690	63
75mm - SX50752LWS600X1250	43	700	690	63
100mm - SX51002LWS600X1250	39	700	690	63

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